L Number	Hits	Search Text	DB	Time stamp
1	774	((257/107) or (257/109) or (257/110) or (257/155) or (257/156) or (257/163) or (257/164)).CCLS.	USPAT; US-PGPUB	2004/08/11 09:56
2	799	((257/107) or (257/109) or (257/110) or (257/155) or (257/156) or (257/163) or (257/164) or (257/165)).CCLS.	USPAT; US-PGPUB	2004/08/11 09:58
3	972	((257/107) or (257/109) or (257/110) or (257/137) or (257/138) or (257/155) or (257/156) or (257/163) or (257/164) or (257/165)).CCLS.	USPAT; US-PGPUB	2004/08/11 09:58
4	44	(((257/107) or (257/109) or (257/110) or (257/137) or (257/138) or (257/155) or (257/156) or (257/163) or (257/164) or (257/165)).CCLS.) and (deep ioni?ation adj energ$3) near6 (dop$3 impurit$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/11 10:01
6	7	761241.ap.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/11 10:02
-	157	257/144	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/08 11:14
-	247	257/152	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/08 10:54
-	172	257/163	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/08 10:54
-	117	257/164	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/08 10:56
-	76	257/165	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/08 10:54
-	616	(257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and @pd<19980717	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/10 12:46
-	4	((257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and @pd<19980717) and (selenium or sulfur)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/08 12:10
-	616	(257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and @pd<19980717	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/08 13:49
-	576	(257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and @pd<19970717	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/10 13:54
-	169	((257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and @pd<19970717) and (stop$5 or buffer$3 or phosphor$2 or arsenic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/10 14:38

-	5	stop$4 adj2 buffer and thyristor$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/10 14:38
-	25	((257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and @pd<19970717) and (stop$5 or buffer$3) and (phosphor$2 or arsenic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/10 15:00
-	5	energy adj level$1 near (phosphorus or arsenic or selenium or sulfur) near dop$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/10 15:47
-	1	ionization adj energy near (phosphorus or arsenic or selenium or sulfur) near dop$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/10 16:42
-	292	(sulfur with selenium) and 257/$3.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/11 07:40
-	57	(sulfur with selenium) and 257/$3.ccls. and emitter$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/10 16:49
-	89	(sulfur with selenium) and 257/$3.ccls. and band adj gap	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/10 16:52
-	14	((sulfur with selenium) and 257/$3.ccls. and emitter$1) and ((sulfur with selenium) and 257/$3.ccls. and band adj gap)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/10 18:56
-	4	(((sulfur with selenium) and 257/$3.ccls. and emitter$1) and ((sulfur with selenium) and 257/$3.ccls. and band adj gap)) and dopant and (buffer or stop$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/11 07:34
-	2	ionization adj energ$3 with sulfur with (dopant or impurit$3 or foreign)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/10 17:07
-	37	dopant and (selenium or sulfur) and emitter and (buffer adj layer or stop$4 adj zone)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/10 17:59
-	0	(buffer adj layer or stop$4 adj zone) same dopant same (selenium or sulfur) same ionization adj energ$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/10 18:01
-	0	(buffer adj layer or stop$4 adj zone) same (selenium or sulfur) same ionization adj energ$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/10 18:01
-	3	(dopant or impurit$3) same (selenium or sulfur) same ionization adj energ$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/10 18:02

-	7	buffer adj layer with dopant with (sulfur or selenium)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/10 18:26
-	0	stop adj zone with dopant with (sulfur or selenium)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/10 18:26
-	7	((sulfur with selenium with dopant) and 257/$3.ccls. and emitter$1) and (257/$3.ccls. and band adj gap)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/10 18:56
-	44720	ionization energ$3 with sulfur with selenium	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/11 07:42
-	44672	ionization energ$3 with sulfur with selenium with dopant$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/11 07:42
-	1	ionization adj energ$3 with sulfur with selenium with dopant$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/11 07:43
-	2	5574297.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/11 07:55
-	2	5359220.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/11 08:02
-	3	5528058.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/11 08:03
-	1686	dopant with phosphorus with type	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/11 08:04
-	1454	dopant with phosphorus with n adj2 type	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/11 08:07
-	205	dopant with phosphorus with n+	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/11 08:10
-	131	(dopant with phosphorus with n+) and @pd<19970717	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/06/11 08:11
-	738	257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/26 18:35

-		1	(257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and ((stop adj zone near15 active) near15 (off-state or off adj state))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/26 18:39
-		1	(257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and ((stop$4 adj zone near15 active) near15 (off-state or off adj state))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/26 18:41
-		1	(257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and ((zone near15 active) near15 (off-state or off adj state))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/26 19:11
-		3	5528058.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 15:26
-		3	5357130.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 12:44
-		0	stop$4 adj zone same dopant same (ON-state or OFF-state or "on state" or "off state")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 12:48
-		31	dopant near12 ionization adj energy	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 12:58
-		5	(igbt or mct).ti,ab. and ((dopant or impurity or impurities) near12 (indium or tellurium))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 13:11
-		9	semiconductor.ti,ab. and ((dopant or impurity or impurities) same (indium or tellurium) same ionization)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 14:21
-		0	(((sulfur or selenium) near12 "on-state voltage") same (dopant or impurit$3)) and semiconductor.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 14:23
-		5	((sulfur or selenium) near12 ("on-state" or voltage) same (dopant or impurit$3)) and semiconductor.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 14:27
-		0	(((sulfur or selenium) near12 (ionization adj (energy or potential))) near12 (impurit$3 or dop$3)) same ((on-state or on adj state) adj2 voltage)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 14:31
-		2	((sulfur or selenium) near12 (ionization adj (energy or potential))) near12 (impurit$3 or dop$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 14:46
-		0	((selenium or sulfur) near12 on-state adj voltage) and (thyristor or mct or igbt).ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 14:48

—		35	(selenium or sulfur) and (thyristor or mct or igbt).ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 14:48
—		2	((selenium or sulfur) same (dopant or impurit$3)) and (thyristor or mct or igbt).ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 14:49
—		40	((blocking or stop$4) adj2 (zone or layer) same emitter) and thyristor.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 15:28
—		13	((blocking or stop$4) adj2 (zone or layer) same emitter) same voltage and thyristor.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 15:29
—		0	(((blocking or stop$4) adj2 (zone or layer) same emitter) same voltage same on-state) and thyristor.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 15:30
—		0	(((blocking or stop$4) adj2 (zone or layer) same emitter) same voltage same "on") and thyristor.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 15:30
—		5	(((blocking or stop$4) adj2 (zone or layer) same emitter) same voltage) and thyristor.ti,ab. and power	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 15:32
—		1	(((blocking or stop$4) adj2 (zone or layer) same emitter) same voltage) and thyristor.ti,ab. and power and (dopant or impurit$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 15:49
—		3	5710445.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 15:54
—		1	((selenium or sulfur) near12 (dopant or impurity)) and thyristor.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 15:56
—		0	((selenium or sulfur) near12 ionization adj (potential or energy)) and thyristor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 15:57
—		0	((selenium or sulfur) near12 ionization adj (potential or energy)) and barrier adj layer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 15:58
—		20	(selenium or sulfur) near12 ionization adj (potential or energy)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 15:58
—		2	(selenium or sulfur) near12 ionization adj (potential or energy) and semiconductor.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 16:02

−		1	(selenium or sulfur) near12 ionization adj (potential or energy) and (igbt or thyristor or mosfet) and semiconductor.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 16:04
−		2	(selenium or sulfur) near12 ionization adj (potential or energy) and (igbt or thyristor or mosfet or semiconductor).ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 16:05
−		27	((selenium or sulfur) near12 (barrier adj layer)) and (igbt or thyristor or mosfet or semiconductor).ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 16:06
−		9	((selenium or sulfur) near5 (barrier adj layer)) and (igbt or thyristor or mosfet or semiconductor).ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 16:11
−		0	((selenium or sulfur) near5 (barrier adj layer)) and (igbt or mosfet or semiconductor).ti,ab. and thyristor.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 16:08
−		0	((selenium or sulfur) near5 (barrier adj layer)) and thyristor.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 16:08
−		0	((selenium or sulfur) near5 (barrier adj layer)) and thyristor.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 16:09
−		0	((selenium or sulfur) near5 (barrier adj layer)) and (mct or thyristor or igbt).ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 16:09
−		1	((selenium or sulfur) near5 (dopant or impurity) near5 (barrier adj layer))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 16:12
−		0	((selenium or sulfur) near5 (dopant or impurity) near5 (barrier adj layer)) and silicon adj substrate	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 16:13
−		71	((selenium or sulfur) near5 (dopant or impurity)) and silicon adj substrate	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 16:14
−		3	((selenium or sulfur) near5 (dopant or impurity)) and ionization adj (energy or potential) and silicon adj substrate	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 16:24
−		15	(low-noise or low adj noise) adj2 semiconductor and power adj2 semiconductor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 16:26
−		33	(((low-noise or low adj noise) near5 power) near5 semiconductor).ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 16:28

-	0	(((low-noise or low adj noise) near5 power) near5 semiconductor).ti,ab. and thyristor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 16:28
-	3	(((low-noise or low adj noise) near5 power) near5 semiconductor adj device).ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 16:30
-	25	((low-noise or low adj noise) near5 power).ti,ab. and 257/$6.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 17:05
-	2	((low-noise or low adj noise) near5 power).ti,ab. and 257/$6.ccls. and (thyristor or igbt or insulated gate adj bipolar adj transistor or mct)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 15:26
-	2	jp-02105578$-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/27 17:06
-	458	stop adj zone	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/01 16:36
-	2	(stop adj zone) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/01 16:36
-	586	((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/01 20:30
-	60	buffer adj (layer or film) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/01 17:19
-	29	(buffer adj (layer or film) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.)) and (sulfur or s or selenium or se)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/01 17:20
-	0	((buffer adj (layer or film) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.)) and (sulfur or s or selenium or se)) and (buffer near12 (selenium or se or s or sulfur))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/01 17:21
-	3	((buffer adj (layer or film) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.)) and (sulfur or s or selenium or se)) and (buffer same (selenium or se or s or sulfur))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/01 17:25
-	0	((buffer adj (layer or film) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.)) and (sulfur or s or selenium or se)) and (buffer same (selenium or se or sulfur))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/01 17:23

–	0	((buffer adj (layer or film) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.)) and (sulfur or s or selenium or se)) and ((buffer near15 (dop$3 or impurit$3)) same ioniz$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/01 17:27
–	0	((buffer adj (layer or film) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.)) and (sulfur or s or selenium or se)) and ((buffer near15 (selenium or sulfur)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/01 17:28
–	77	(US-4717940-$ or US-4760431-$ or US-RE32784-$ or US-4851889-$ or US-4914496-$ or US-4963972-$ or US-5065211-$ or US-5068704-$ or US-5381025-$ or US-5401985-$ or US-5429953-$ or US-5444271-$ or US-5444272-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5091766-$).did. or (US-5124772-$ or US-5202750-$ or US-5210432-$ or US-5245202-$ or US-5293054-$ or US-5304821-$ or US-5306930-$ or US-5336907-$ or US-5365477-$ or US-5371385-$ or US-5378903-$ or US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$).did. or (US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-4032958-$ or US-4053921-$ or US-4062032-$ or US-3337782-$ or US-3470036-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06061479-$ or JP-06151825-$ or JP-01270352-$ or JP-02296370-$ or JP-03070176-$ or JP-03116874-$ or JP-04240775-$ or JP-04317375-$ or JP-04357875-$).did.	USPAT; US-PGPUB; JPO	2002/05/02 11:40

| - | | 2 | ((US-4717940-$ or US-4760431-$ or US-RE32784-$ or US-4851889-$ or US-4914496-$ or US-4963972-$ or US-5065211-$ or US-5068704-$ or US-5381025-$ or US-5401985-$ or US-5429953-$ or US-5444271-$ or US-5444272-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5091766-$).did. or (US-5124772-$ or US-5202750-$ or US-5210432-$ or US-5245202-$ or US-5293054-$ or US-5304821-$ or US-5306930-$ or US-5336907-$ or US-5365477-$ or US-5371385-$ or US-5378903-$ or US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$).did. or (US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-4032958-$ or US-4053921-$ or US-4062032-$ or US-3337782-$ or US-3470036-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06061479-$ or JP-06151825-$ or JP-01270352-$ or JP-02296370-$ or JP-03070176-$ or JP-03116874-$ or JP-04240775-$ or JP-04317375-$ or JP-04357875-$).did.) and (block$3 or buffer or stop$4) adj (region or film or layer) and ionization | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/05/01 20:34 |

| - | | 1 | ((US-4717940-$ or US-4760431-$ or US-RE32784-$ or US-4851889-$ or US-4914496-$ or US-4963972-$ or US-5065211-$ or US-5068704-$ or US-5381025-$ or US-5401985-$ or US-5429953-$ or US-5444271-$ or US-5444272-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5091766-$).did. or (US-5124772-$ or US-5202750-$ or US-5210432-$ or US-5245202-$ or US-5293054-$ or US-5304821-$ or US-5306930-$ or US-5336907-$ or US-5365477-$ or US-5371385-$ or US-5378903-$ or US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$).did. or (US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-4032958-$ or US-4053921-$ or US-4062032-$ or US-3337782-$ or US-3470036-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06061479-$ or JP-06151825-$ or JP-01270352-$ or JP-02296370-$ or JP-03070176-$ or JP-03116874-$ or JP-04240775-$ or JP-04317375-$ or JP-04357875-$).did.) and (block$3 or buffer or stop$4) adj (region or film or layer) and (energy adj level or band adj2 gap) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/05/01 20:43 |

| - | | 0 | ((US-4717940-$ or US-4760431-$ or US-RE32784-$ or US-4851889-$ or US-4914496-$ or US-4963972-$ or US-5065211-$ or US-5068704-$ or US-5381025-$ or US-5401985-$ or US-5429953-$ or US-5444271-$ or US-5444272-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5091766-$).did. or (US-5124772-$ or US-5202750-$ or US-5210432-$ or US-5245202-$ or US-5293054-$ or US-5304821-$ or US-5306930-$ or US-5336907-$ or US-5365477-$ or US-5371385-$ or US-5378903-$ or US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$).did. or (US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-4032958-$ or US-4053921-$ or US-4062032-$ or US-3337782-$ or US-3470036-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06061479-$ or JP-06151825-$ or JP-01270352-$ or JP-02296370-$ or JP-03070176-$ or JP-03116874-$ or JP-04240775-$ or JP-04317375-$ or JP-04357875-$).did.) and (block$3 or buffer or stop$4) adj (region or film or layer) near20 (indium or tellurium or selenium of sulfur or in or se) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/05/01 20:45 |

| - | | 2 | ((US-4717940-$ or US-4760431-$ or US-RE32784-$ or US-4851889-$ or US-4914496-$ or US-4963972-$ or US-5065211-$ or US-5068704-$ or US-5381025-$ or US-5401985-$ or US-5429953-$ or US-5444271-$ or US-5444272-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5091766-$).did. or (US-5124772-$ or US-5202750-$ or US-5210432-$ or US-5245202-$ or US-5293054-$ or US-5304821-$ or US-5306930-$ or US-5336907-$ or US-5365477-$ or US-5371385-$ or US-5378903-$ or US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$).did. or (US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-4032958-$ or US-4053921-$ or US-4062032-$ or US-3337782-$ or US-3470036-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06061479-$ or JP-06151825-$ or JP-01270352-$ or JP-02296370-$ or JP-03070176-$ or JP-03116874-$ or JP-04240775-$ or JP-04317375-$ or JP-04357875-$).did.) and (block$3 or buffer or stop$4) adj (region or film or layer) and (indium or tellurium or selenium of sulfur or in or se) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/05/01 20:49 |

| - | 2 | ((US-4717940-$ or US-4760431-$ or US-RE32784-$ or US-4851889-$ or US-4914496-$ or US-4963972-$ or US-5065211-$ or US-5068704-$ or US-5381025-$ or US-5401985-$ or US-5429953-$ or US-5444271-$ or US-5444272-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5091766-$).did. or (US-5124772-$ or US-5202750-$ or US-5210432-$ or US-5245202-$ or US-5293054-$ or US-5304821-$ or US-5306930-$ or US-5336907-$ or US-5365477-$ or US-5371385-$ or US-5378903-$ or US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$).did. or (US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-4032958-$ or US-4053921-$ or US-4062032-$ or US-3337782-$ or US-3470036-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06061479-$ or JP-06151825-$ or JP-01270352-$ or JP-02296370-$ or JP-03070176-$ or JP-03116874-$ or JP-04240775-$ or JP-04317375-$ or JP-04357875-$).did.) and (block$3 or buffer or stop$4) adj (region or film or layer) and (indium or tellurium or selenium of sulfur or in or se or te) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/05/01 20:50 |

| - | | 0 | ((US-4717940-$ or US-4760431-$ or US-RE32784-$ or US-4851889-$ or US-4914496-$ or US-4963972-$ or US-5065211-$ or US-5068704-$ or US-5381025-$ or US-5401985-$ or US-5429953-$ or US-5444271-$ or US-5444272-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5091766-$).did. or (US-5124772-$ or US-5202750-$ or US-5210432-$ or US-5245202-$ or US-5293054-$ or US-5304821-$ or US-5306930-$ or US-5336907-$ or US-5365477-$ or US-5371385-$ or US-5378903-$ or US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$).did. or (US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-4032958-$ or US-4053921-$ or US-4062032-$ or US-3337782-$ or US-3470036-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06061479-$ or JP-06151825-$ or JP-01270352-$ or JP-02296370-$ or JP-03070176-$ or JP-03116874-$ or JP-04240775-$ or JP-04317375-$ or JP-04357875-$).did.) and (block$3 or buffer or stop$4) adj (region or film or layer) and (band near2 gap) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/05/01 20:50 |

-	1	((US-4717940-$ or US-4760431-$ or US-RE32784-$ or US-4851889-$ or US-4914496-$ or US-4963972-$ or US-5065211-$ or US-5068704-$ or US-5381025-$ or US-5401985-$ or US-5429953-$ or US-5444271-$ or US-5444272-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5091766-$).did. or (US-5124772-$ or US-5202750-$ or US-5210432-$ or US-5245202-$ or US-5293054-$ or US-5304821-$ or US-5306930-$ or US-5336907-$ or US-5365477-$ or US-5371385-$ or US-5378903-$ or US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$).did. or (US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-4032958-$ or US-4053921-$ or US-4062032-$ or US-3337782-$ or US-3470036-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06061479-$ or JP-06151825-$ or JP-01270352-$ or JP-02296370-$ or JP-03070176-$ or JP-03116874-$ or JP-04240775-$ or JP-04317375-$ or JP-04357875-$).did.) and (block$3 or buffer or stop$4) adj (region or film or layer) and energy adj level	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/01 20:51
-	457	foreign adj atom	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2002/05/02 09:36
-	58	foreign adj atom and 257/$6.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 09:37
-	3447	stop$4 adj (zone or region or layer or film) and 257/$6.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 09:40
-	2240	(stop or stopping) adj (zone or region or layer or film) and 257/$6.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 09:41
-	30	(stop or stopping) adj zone and 257/$6.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 11:37
-	8	(stop or stopping) adj zone and 257/$6.ccls. and thyristor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 09:44

| - | | 77 | (US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$ or US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-5444271-$ or US-5444272-$).did. or (US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5378903-$ or US-5371385-$ or US-5365477-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5401985-$ or US-5336907-$ or US-5381025-$ or US-5429953-$ or US-5304821-$ or US-5293054-$ or US-5245202-$ or US-5210432-$ or US-5202750-$ or US-5124772-$ or US-5091766-$ or US-5068704-$).did. or (US-5065211-$ or US-4963972-$ or US-4914496-$ or US-4851889-$ or US-RE32784-$ or US-4760431-$ or US-4717940-$ or US-4062032-$ or US-4053921-$ or US-4032958-$ or US-3470036-$ or US-3337782-$ or US-5306930-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06151825-$ or JP-06061479-$ or JP-04357875-$ or JP-04317375-$ or JP-04240775-$ or JP-03116874-$ or JP-03070176-$ or JP-02296370-$ or JP-01270352-$).did. | USPAT; US-PGPUB; JPO | 2002/05/02 11:39 |

| | | 77 | (US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$ or US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-5444271-$ or US-5444272-$).did. or (US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5378903-$ or US-5371385-$ or US-5365477-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5401985-$ or US-5336907-$ or US-5381025-$ or US-5429953-$ or US-5304821-$ or US-5293054-$ or US-5245202-$ or US-5210432-$ or US-5202750-$ or US-5124772-$ or US-5091766-$ or US-5068704-$).did. or (US-5065211-$ or US-4963972-$ or US-4914496-$ or US-4851889-$ or US-RE32784-$ or US-4760431-$ or US-4717940-$ or US-4062032-$ or US-4053921-$ or US-4032958-$ or US-3470036-$ or US-3337782-$ or US-5306930-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06151825-$ or JP-06061479-$ or JP-04357875-$ or JP-04317375-$ or JP-04240775-$ or JP-03116874-$ or JP-03070176-$ or JP-02296370-$ or JP-01270352-$).did. | USPAT; US-PGPUB; JPO | 2002/05/02 11:39 |

–		18	((US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$ or US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-5444271-$ or US-5444272-$).did. or (US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5378903-$ or US-5371385-$ or US-5365477-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5401985-$ or US-5336907-$ or US-5381025-$ or US-5429953-$ or US-5304821-$ or US-5293054-$ or US-5245202-$ or US-5210432-$ or US-5202750-$ or US-5124772-$ or US-5091766-$ or US-5068704-$).did. or (US-5065211-$ or US-4963972-$ or US-4914496-$ or US-4851889-$ or US-RE32784-$ or US-4760431-$ or US-4717940-$ or US-4062032-$ or US-4053921-$ or US-4032958-$ or US-3470036-$ or US-3337782-$ or US-5306930-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06151825-$ or JP-06061479-$ or JP-04357875-$ or JP-04317375-$ or JP-04240775-$ or JP-03116874-$ or JP-03070176-$ or JP-02296370-$ or JP-01270352-$).did.) and ((dop$3 or impurit$3 or donor or acceptor) near12 (carbon or c or titanium or ti or se or selenium or cr or chromium or ta or tantalum or cs or cesium or ba or barium or sulfur or s or mangenese or mn or pt or platinum or au or gold or silver or ag))	USPAT; US-PGPUB; JPO	2002/05/02 13:24
–		3	("3953243").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/05/02 13:05

| | | 0 | ((US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$ or US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-5444271-$ or US-5444272-$).did. or (US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5378903-$ or US-5371385-$ or US-5365477-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5401985-$ or US-5336907-$ or US-5381025-$ or US-5429953-$ or US-5304821-$ or US-5293054-$ or US-5245202-$ or US-5210432-$ or US-5202750-$ or US-5124772-$ or US-5091766-$ or US-5068704-$).did. or (US-5065211-$ or US-4963972-$ or US-4914496-$ or US-4851889-$ or US-RE32784-$ or US-4760431-$ or US-4717940-$ or US-4062032-$ or US-4053921-$ or US-4032958-$ or US-3470036-$ or US-3337782-$ or US-5306930-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06151825-$ or JP-06061479-$ or JP-04357875-$ or JP-04317375-$ or JP-04240775-$ or JP-03116874-$ or JP-03070176-$ or JP-02296370-$ or JP-01270352-$).did.) and (((barium or cesium) near12 (dop$3 or impurit$3)) near12 thyristor) | USPAT; US-PGPUB; JPO | 2002/05/02 13:26 |

-	3	((US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$ or US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-5444271-$ or US-5444272-$).did. or (US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5378903-$ or US-5371385-$ or US-5365477-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5401985-$ or US-5336907-$ or US-5381025-$ or US-5429953-$ or US-5304821-$ or US-5293054-$ or US-5245202-$ or US-5210432-$ or US-5202750-$ or US-5124772-$ or US-5091766-$ or US-5068704-$).did. or (US-5065211-$ or US-4963972-$ or US-4914496-$ or US-4851889-$ or US-RE32784-$ or US-4760431-$ or US-4717940-$ or US-4062032-$ or US-4053921-$ or US-4032958-$ or US-3470036-$ or US-3337782-$ or US-5306930-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06151825-$ or JP-06061479-$ or JP-04357875-$ or JP-04317375-$ or JP-04240775-$ or JP-03116874-$ or JP-03070176-$ or JP-02296370-$ or JP-01270352-$).did.) and (silicon adj substrate near12 thyristor)	USPAT; US-PGPUB; JPO	2002/05/02 14:32
-	2	("6043112").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 14:33
-	2	("6043112").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 15:27
-	1421	emitter and igbt and power and switching	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 15:28
-	40	emitter adj region and igbt.ti,ab. and power adj2 device and switching	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 15:29

-	105	(US-5936267-$ or US-5923055-$ or US-5894149-$ or US-5844258-$ or US-5796124-$ or US-5793066-$ or US-6043112-$ or US-5682044-$ or US-5569941-$ or US-5539217-$ or US-5543639-$ or US-5528058-$ or US-5679966-$ or US-5684306-$ or US-5637888-$ or US-5587594-$ or US-5610415-$ or US-5336907-$ or US-5719413-$ or US-5981981-$ or US-RE34158-$ or US-4219829-$ or US-5407491-$ or US-5574297-$ or US-5659185-$ or US-5661314-$).did. or (US-5644150-$ or US-6313485-$ or US-6278140-$ or US-6271545-$ or US-6218217-$ or US-6198115-$ or US-6169299-$ or US-6111290-$ or US-6111278-$ or US-6107649-$ or US-RE36818-$ or US-6054728-$ or US-6020623-$ or US-5710445-$ or US-5705835-$ or US-RE32784-$ or US-4963972-$ or US-5429953-$ or US-5457329-$ or US-5401985-$ or US-5471075-$ or US-5464994-$ or US-5477064-$ or US-4760431-$ or US-5486709-$ or US-5498884-$ or US-5504351-$).did. or (US-5525816-$ or US-5444272-$ or US-5444271-$ or US-5461242-$ or US-5412228-$ or US-4062032-$ or US-4717940-$ or US-5381026-$ or US-5381025-$ or US-4053921-$ or US-5202750-$ or US-5124772-$ or US-5091766-$ or US-5359220-$ or US-5068704-$ or US-5378903-$ or US-5371385-$ or US-5365477-$ or US-3470036-$ or US-4032958-$ or US-5304821-$ or US-4851889-$ or US-5293054-$ or US-3337782-$ or US-5245202-$ or US-5210432-$ or US-5319222-$).did. or (US-5065211-$ or US-5319221-$ or US-4914496-$ or US-5306930-$ or US-5306929-$).did. or (US-20020024056-$ or US-20010005024-$).did. or (DE-3932490-$ or DE-3837748-$ or DE-3837747-$ or US-3953243-$ or US-5528058-$).did. or (JP-02296370-$ or JP-03070176-$ or JP-03116874-$ or JP-04240775-$ or JP-04317375-$ or JP-04357875-$ or JP-06151825-$ or JP-01270352-$ or JP-06061479-$).did. or (US-5710445-$ or EP-1017093-$ or US-4642669-$ or US-5079175-$ or DE-19909105-$ or DE-3932490-$).did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/11/21 16:42
-	617	((257/144) or (257/152) or (257/163) or (257/164) or (257/165) or (257/110)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/22 09:30
-	4	(((257/144) or (257/152) or (257/163) or (257/164) or (257/165) or (257/110)).CCLS.) and (sulfur or selenium or s or se) near15 (doping or dopant or impurities or impurity or implant or implantation or band adj gap or band adj edge or energy adj level or ionization or ionisation)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 20:45

–		1	(((257/144) or (257/152) or (257/163) or (257/164) or (257/165) or (257/110)).CCLS.) and (sulfur or selenium or se) near15 (doping or dopant or impurities or impurity or implant or implantation or band adj gap or band adj edge or energy adj level or ionization or ionisation)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/22 15:03
–		3	("5602048").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/22 15:03
–		0	("stop adj zone near12 block$3 near2 (voltage or potential or electric adj field)").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/14 15:49
–		2	stop adj zone near12 block$3 near2 (voltage or potential or electric adj field)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/14 16:16
–		0	stop adj zone near12 active near12 (on-state or on adj state) near12 (off-state or off adj state)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/14 16:18
–		0	stop adj zone near12 active near12 (on-state or on adj state or forward) near12 (off-state or off adj state or reverse)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/14 16:19
–		0	stop adj zone near12 (on-state or on adj state or forward) near12 (off-state or off adj state or reverse)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/14 16:20
–		0	stop$4 adj zone near12 (on-state or on adj state or forward) near12 (off-state or off adj state or reverse)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/14 16:22
–		0	stop$4 adj zone near12 (on-state or on adj state or forward or conduction adj band) near12 (off-state or off adj state or reverse or valence adj band)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/14 16:48
–		2	stop$4 adj zone near12 (gold or au or platinum or pt)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/14 16:49
–		10	stop$4 adj zone near12 (impurities or gold or au or platinum or pt)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/14 16:51
–		9	stop$4 adj zone near12 (impurities or gold or au or platinum or pt) and (dopant or doping or impurity or impurities)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/14 17:04
–		33	(field adj stop$4 adj zone or buffer) near2 (region or layer) near6 (gold or au or platinum or pt) and silicon and reverse	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/14 17:12

-	7	(field adj stop$4 adj zone or buffer) near2 (region or layer) near6 (gold or au or platinum or pt) and silicon and reverse and forward	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/14 17:13
-	106	(US-4053921-$ or US-4032958-$ or US-3470036-$ or US-5844258-$ or US-5796124-$ or US-5793066-$ or US-6043112-$ or US-5682044-$ or US-4062032-$ or US-3337782-$ or US-4219829-$ or US-5574297-$ or US-6313485-$ or US-6278140-$ or US-6271545-$ or US-6218217-$ or US-6198115-$ or US-6169299-$ or US-6111290-$ or US-6111278-$ or US-6107649-$ or US-RE36818-$ or US-6054728-$ or US-6020623-$ or US-5936267-$ or US-5923055-$).did. or (US-5894149-$ or US-5124772-$ or US-5202750-$ or US-5210432-$ or US-5245202-$ or US-5304821-$ or US-5306929-$ or US-5378903-$ or US-5381026-$ or US-5381025-$ or US-5401985-$ or US-5412228-$ or US-5444272-$ or US-5293054-$ or US-5306930-$ or US-5407491-$ or US-5319222-$ or US-5319221-$ or US-5336907-$ or US-5359220-$ or US-5365477-$ or US-5371385-$ or US-4914496-$ or US-4963972-$ or US-5068704-$ or US-5065211-$ or US-5091766-$).did. or (US-5679966-$ or US-5710445-$ or US-5525816-$ or US-5569941-$ or US-5610415-$ or US-5587594-$ or US-5637888-$ or US-5444271-$ or US-5429953-$ or US-5461242-$ or US-5457329-$ or US-5464994-$ or US-5471075-$ or US-5539217-$ or US-5543639-$ or US-5528058-$ or US-5644150-$ or US-5719413-$ or US-4717940-$ or US-5661314-$ or US-5659185-$ or US-5684306-$ or US-RE34158-$ or US-RE32784-$ or US-4760431-$ or US-5477064-$ or US-5486709-$).did. or (US-5504351-$ or US-5705835-$ or US-5981981-$ or US-4851889-$ or US-5498884-$).did. or (US-20020024056-$ or US-20010005024-$).did. or (DE-3932490-$ or DE-3837748-$ or DE-3837747-$ or US-3953243-$ or US-5528058-$).did. or (JP-06151825-$ or JP-06061479-$ or JP-04240775-$ or JP-04357875-$ or JP-04317375-$ or JP-03116874-$ or JP-02296370-$ or JP-03070176-$ or JP-01270352-$).did. or (US-5710445-$ or DE-3932490-$ or EP-1017093-$ or US-4642669-$ or EP-144876-$ or EP-1097480-$ or US-5079175-$ or DE-19909105-$).did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/14 18:27

-		0	((US-4053921-$ or US-4032958-$ or US-3470036-$ or US-5844258-$ or US-5796124-$ or US-5793066-$ or US-6043112-$ or US-5682044-$ or US-4062032-$ or US-3337782-$ or US-4219829-$ or US-5574297-$ or US-6313485-$ or US-6278140-$ or US-6271545-$ or US-6218217-$ or US-6198115-$ or US-6169299-$ or US-6111290-$ or US-6111278-$ or US-6107649-$ or US-RE36818-$ or US-6054728-$ or US-6020623-$ or US-5936267-$ or US-5923055-$).did. or (US-5894149-$ or US-5124772-$ or US-5202750-$ or US-5210432-$ or US-5245202-$ or US-5304821-$ or US-5306929-$ or US-5378903-$ or US-5381026-$ or US-5381025-$ or US-5401985-$ or US-5412228-$ or US-5444272-$ or US-5293054-$ or US-5306930-$ or US-5407491-$ or US-5319222-$ or US-5319221-$ or US-5336907-$ or US-5359220-$ or US-5365477-$ or US-5371385-$ or US-4914496-$ or US-4963972-$ or US-5068704-$ or US-5065211-$ or US-5091766-$).did. or (US-5679966-$ or US-5710445-$ or US-5525816-$ or US-5569941-$ or US-5610415-$ or US-5587594-$ or US-5637888-$ or US-5444271-$ or US-5429953-$ or US-5461242-$ or US-5457329-$ or US-5464994-$ or US-5471075-$ or US-5539217-$ or US-5543639-$ or US-5528058-$ or US-5644150-$ or US-5719413-$ or US-4717940-$ or US-5661314-$ or US-5659185-$ or US-5684306-$ or US-RE34158-$ or US-RE32784-$ or US-4760431-$ or US-5477064-$ or US-5486709-$).did. or (US-5504351-$ or US-5705835-$ or US-5981981-$ or US-4851889-$ or US-5498884-$).did. or (US-20020024056-$ or US-20010005024-$).did. or (DE-3932490-$ or DE-3837748-$ or DE-3837747-$ or US-3953243-$ or US-5528058-$).did. or (JP-06151825-$ or JP-06061479-$ or JP-04240775-$ or JP-04357875-$ or JP-04317375-$ or JP-03116874-$ or JP-02296370-$ or JP-03070176-$ or JP-01270352-$).did. or (US-5710445-$ or DE-3932490-$ or EP-1017093-$ or US-4642669-$ or EP-144876-$ or EP-1097480-$ or US-5079175-$ or DE-19909105-$).did.) and stephanie.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/14 18:27
-		1189	stephanie.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/14 18:27
-		61	stephanie.in. and semiconductor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/14 18:28
-		1	stephanie.in. and semiconductor and sulfur	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/14 18:28

-	2	ep-760528$-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/14 19:28
-	0	de-19832310$-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/14 19:28
-	0	de-019832310$-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/14 19:28
-	219	stephani.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/14 19:29
-	109	stephani.in.	DERWENT	2003/04/14 19:29
-	0	stephani.in. and dietrich.in.	DERWENT	2003/04/14 19:31
-	3	buchwald.in. and melvin.in.	USPAT; US-PGPUB; DERWENT	2003/04/14 19:30
-	53	stephani-d.in.	DERWENT	2003/04/14 19:35
-	362	bauer-j.in.	DERWENT	2003/04/14 19:35
-	2	ep-621640$-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/07 18:28
-	4	761240.ap.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/07 18:32
-	1	761240.ap. and stop adj zone and emitter adj region	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/07 18:39
-	2	ep-760528$-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/07 18:39
-	2	ep-760528$-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/08 11:34
-	21	emitter near12 (stop adj zone junction adj termination)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/08 11:41
-	6	emitter near12 (stop adj zone junction adj termination) and (beryllium be zinc zn nickel ni cobalt co magnesium mg tin sn indium)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/08 12:07

–	114	(US-5293054-$ or US-5245202-$ or US-5210432-$ or US-5371385-$ or US-5981981-$ or US-RE34158-$ or US-4219829-$ or US-5407491-$ or US-5574297-$ or US-6313485-$ or US-6278140-$ or US-6271545-$ or US-6218217-$ or US-6198115-$ or US-6169299-$ or US-6111290-$ or US-6111278-$ or US-4851889-$ or US-RE32784-$ or US-4760431-$ or US-4717940-$ or US-5068704-$ or US-5065211-$ or US-4963972-$ or US-4914496-$ or US-5202750-$).did. or (US-5124772-$ or US-5091766-$ or US-5306930-$ or US-5306929-$ or US-5304821-$ or US-6107649-$ or US-RE36818-$ or US-6054728-$ or US-6020623-$ or US-5936267-$ or US-5923055-$ or US-5894149-$ or US-5844258-$ or US-5796124-$ or US-5793066-$ or US-6043112-$ or US-5682044-$ or US-5464994-$ or US-5381025-$ or US-4062032-$ or US-4053921-$ or US-4032958-$ or US-3470036-$ or US-5444271-$ or US-5429953-$ or US-5381026-$ or US-5336907-$).did. or (US-5461242-$ or US-5401985-$ or US-5365477-$ or US-5378903-$ or US-3337782-$ or US-5319222-$ or US-5319221-$ or US-5359220-$ or US-5457329-$ or US-5444272-$ or US-5412228-$ or US-5486709-$ or US-5498884-$ or US-5504351-$ or US-5525816-$ or US-5528058-$ or US-5539217-$ or US-5543639-$ or US-5659185-$ or US-5644150-$ or US-5637888-$ or US-5610415-$ or US-5587594-$ or US-5569941-$ or US-5719413-$ or US-5710445-$ or US-5705835-$).did. or (US-5684306-$ or US-5679966-$ or US-5661314-$ or US-5477064-$ or US-5471075-$).did. or (US-20030197247-$ or US-20030122151-$ or US-20010005024-$ or US-20030094857-$ or US-20030006497-$ or US-20020024056-$).did. or (EP-760528-$ or EP-621640-$ or US-5528058-$ or DE-3932490-$ or DE-3837748-$ or DE-3837747-$ or US-3953243-$).did. or (JP-04317375-$ or JP-04240775-$ or JP-03116874-$ or JP-03070176-$ or JP-02296370-$ or JP-01270352-$ or JP-06151825-$ or JP-06061479-$ or JP-04357875-$).did. or (EP-144876-$ or EP-1097480-$ or DE-19531369-$ or EP-621640-$ or EP-1017093-$ or US-4642669-$ or DE-19909105-$ or US-5079175-$ or US-5710445-$ or DE-3932490-$).did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/08 11:52
–	16	power adj semiconductor.ti,ab,clm. and stop adj (layer zone) and emitter	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/08 11:53
–	51	power adj semiconductor.ti,ab,clm. and stop adj (layer zone)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/08 12:07
–	20	power adj semiconductor.ti,ab,clm. and stop adj (layer zone) and (beryllium be zinc zn nickel ni cobalt co magnesium mg tin sn indium)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/08 12:13

–	1562	((257/110) or (257/133) or (257/138) or (257/139) or (257/144) or (257/147) or (257/152) or (257/163) or (257/164) or (257/165) or (257/341) or (257/342)).CCLS.	USPAT; US-PGPUB	2003/11/08 12:15
–	10	(((257/110) or (257/133) or (257/138) or (257/139) or (257/144) or (257/147) or (257/152) or (257/163) or (257/164) or (257/165) or (257/341) or (257/342)).CCLS.) and stop adj (layer zone) and (be beryllium cobalt magnesium mg zinc zn nickel ni sn tin indium sulfur selenium titanium ti)	USPAT; US-PGPUB	2003/11/08 12:22
–	486	stop adj (layer zone) near15 (be beryllium cobalt magnesium mg zinc zn nickel ni sn tin indium sulfur selenium titanium ti)	USPAT; US-PGPUB	2003/11/08 12:22
–	436	stop adj (layer zone) near6 (be beryllium cobalt magnesium mg zinc zn nickel ni sn tin indium sulfur selenium titanium ti)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/08 12:23
–	54	stop adj (layer zone) near6 (be beryllium cobalt magnesium mg zinc zn nickel ni sn tin indium sulfur selenium titanium ti) and switch$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/08 13:47
–	0	WO-0004598$-$.DID.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/08 13:47
–	1	WO-200004598$-$.DID.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/08 16:38
–	2	de-3917769$-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/08 16:55
–	1	("6043112").PN.	USPAT	2003/11/08 17:17
–	551	emitter near3 drain and collector near3 source	USPAT	2003/11/08 17:18
–	460	emitter near3 drain and collector near3 source and bipolar	USPAT	2003/11/08 17:18
–	268	emitter near3 drain and collector near3 source and bipolar and (switch switching)	USPAT	2003/11/08 17:19
–	254	emitter near3 drain near6 collector near3 source and bipolar and (switch switching)	USPAT	2003/11/08 17:19

–		116	(US-5644150-$ or US-5637888-$ or US-5587594-$ or US-5610415-$ or US-5569941-$ or US-5543639-$ or US-5528058-$ or US-5539217-$ or US-5407491-$ or US-5525816-$ or US-5504351-$ or US-5498884-$ or US-5659185-$ or US-5661314-$ or US-5477064-$ or US-5471075-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5719413-$ or US-5710445-$ or US-4219829-$ or US-5486709-$ or US-5461242-$ or US-5464994-$ or US-5491351-$).did. or (US-6441408-$ or US-5371385-$ or US-5359220-$ or US-5365477-$ or US-3337782-$ or US-5796124-$ or US-5793066-$ or US-6043112-$ or US-5682044-$ or US-5457329-$ or US-5444272-$ or US-5444271-$ or US-5429953-$ or US-5412228-$ or US-5381026-$ or US-5401985-$ or US-5378903-$ or US-5381025-$ or US-5306929-$ or US-5293054-$ or US-5245202-$ or US-5306930-$ or US-5981981-$ or US-RE34158-$ or US-5304821-$ or US-5336907-$ or US-5319222-$).did. or (US-5319221-$ or US-5202750-$ or US-5210432-$ or US-5091766-$ or US-5124772-$ or US-5065211-$ or US-5068704-$ or US-4963972-$ or US-4914496-$ or US-4851889-$ or US-RE32784-$ or US-4760431-$ or US-4717940-$ or US-4053921-$ or US-4062032-$ or US-4032958-$ or US-5574297-$ or US-3470036-$ or US-6313485-$ or US-6278140-$ or US-6271545-$ or US-6218217-$ or US-6198115-$ or US-6169299-$ or US-6111290-$ or US-6111278-$ or US-6107649-$).did. or (US-RE36818-$ or US-6054728-$ or US-6020623-$ or US-5936267-$ or US-5923055-$ or US-5894149-$ or US-5844258-$).did. or (US-20030122151-$ or US-20030197247-$ or US-20030006497-$ or US-20030094857-$ or US-20020024056-$ or US-20010005024-$).did. or (EP-760528-$ or EP-621640-$ or DE-3932490-$ or DE-3837748-$ or DE-3837747-$ or US-3953243-$ or US-5528058-$).did. or (JP-01270352-$ or JP-02296370-$ or JP-06061479-$ or JP-04317375-$ or JP-04240775-$ or JP-03116874-$ or JP-03070176-$ or JP-06151825-$ or JP-04357875-$).did. or (US-4642669-$ or EP-1017093-$ or US-5079175-$ or DE-19909105-$ or EP-144876-$ or EP-1097480-$ or DE-19531369-$ or EP-621640-$ or US-5710445-$ or DE-3932490-$).did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/09 09:51

		2	((US-5644150-$ or US-5637888-$ or US-5587594-$ or US-5610415-$ or US-5569941-$ or US-5543639-$ or US-5528058-$ or US-5539217-$ or US-5407491-$ or US-5525816-$ or US-5504351-$ or US-5498884-$ or US-5659185-$ or US-5661314-$ or US-5477064-$ or US-5471075-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5719413-$ or US-5710445-$ or US-4219829-$ or US-5486709-$ or US-5461242-$ or US-5464994-$ or US-5491351-$).did. or (US-6441408-$ or US-5371385-$ or US-5359220-$ or US-5365477-$ or US-3337782-$ or US-5796124-$ or US-5793066-$ or US-6043112-$ or US-5682044-$ or US-5457329-$ or US-5444272-$ or US-5444271-$ or US-5429953-$ or US-5412228-$ or US-5381026-$ or US-5401985-$ or US-5378903-$ or US-5381025-$ or US-5306929-$ or US-5293054-$ or US-5245202-$ or US-5306930-$ or US-5981981-$ or US-RE34158-$ or US-5304821-$ or US-5336907-$ or US-5319222-$).did. or (US-5319221-$ or US-5202750-$ or US-5210432-$ or US-5091766-$ or US-5124772-$ or US-5065211-$ or US-5068704-$ or US-4963972-$ or US-4914496-$ or US-4851889-$ or US-RE32784-$ or US-4760431-$ or US-4717940-$ or US-4053921-$ or US-4062032-$ or US-4032958-$ or US-5574297-$ or US-3470036-$ or US-6313485-$ or US-6278140-$ or US-6271545-$ or US-6218217-$ or US-6198115-$ or US-6169299-$ or US-6111290-$ or US-6111278-$ or US-6107649-$).did. or (US-RE36818-$ or US-6054728-$ or US-6020623-$ or US-5936267-$ or US-5923055-$ or US-5894149-$ or US-5844258-$).did. or (US-20030122151-$ or US-20030197247-$ or US-20030006497-$ or US-20030094857-$ or US-20020024056-$ or US-20010005024-$).did. or (EP-760528-$ or EP-621640-$ or DE-3932490-$ or DE-3837748-$ or DE-3837747-$ or US-3953243-$ or US-5528058-$).did. or (JP-01270352-$ or JP-02296370-$ or JP-06061479-$ or JP-04317375-$ or JP-04240775-$ or JP-03116874-$ or JP-03070176-$ or JP-06151825-$ or JP-04357875-$).did. or (US-4642669-$ or EP-1017093-$ or US-5079175-$ or DE-19909105-$ or EP-144876-$ or EP-1097480-$ or DE-19531369-$ or EP-621640-$ or US-5710445-$ or DE-3932490-$).did.) and stephani.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/09 10:18
		2	("5455911").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/09 10:18
		2	("6455911").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/09 10:27

-	510	stop adj zone	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/09 10:27
-	46	stop adj zone.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/09 11:13
-	23	(acceptor donor) adj ioni?ation adj energ$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/09 11:36
-	1	(acceptor donor) adj ioni?ation adj energ$3 near8 (oxygen selenium sulfur)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/09 11:48
-	62	stop adj zone and GaP	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/09 11:56
-	4	stop adj zone near15 (selenium sulfur oxygen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/09 11:59
-	24	stop adj zone and (selenium sulfur oxygen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/09 12:06
-	2	ep-621640$-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/09 12:44
-	2	(acceptor donor) adj ioni?ation adj energ$3 near4 (silicon "si")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/09 12:24
-	1	stop adj zone near12 boron	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/09 12:25
-	0	znse and (stop stopping) adj zone and (nitrogen "N") near15 zone	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/09 12:46
-	5738	channel adj stop (stop stopping) adj zone	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/09 12:51
-	5170	channel adj stop (stop stopping) adj zone and breakdown adj voltage	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/09 12:51
-	5168	channel adj stop (stop stopping) adj zone and breakdown adj voltage and 257/$9.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/09 12:52
-	620	(channel adj stop (stop stopping) adj zone) and breakdown adj voltage and 257/$9.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/09 12:53

-	0	(channel adj stop (stop stopping) adj zone) and breakdown adj voltage and 257/$9.ccls. and znse	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/09 12:53
-	0	de-1983231.07$-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/09 14:40
-	7	de-1983231$-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/09 14:40
-	4	761240.ap.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/09 14:41
-	881	bauer.in. and stop	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/09 14:41
-	3	bauer.in. and stop adj zone and brunner.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 07:52
-	10	wo-20004598$-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 07:54
-	1	wo-200004598$-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 08:09
-	0	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and acceptor adj ioni$ation adj energ$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 08:11
-	2	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and ioni$ation adj energ$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 08:18
-	978	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (boron Al Ga indium ni nickel oxygen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 08:21
-	700	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (be beryllium cesium cs barium ba sulfur s mn manganese ag silver cd cadmium pt platinum si silicon zn zinc au gold co cobalt v vanadium ni nickel molybdenum mo hg mercury sr strontium germanium ge cu copper potassium k sn tin w tungsten pb lead o oxygen iron fe) near12 (doping doped impurity impurities)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 08:30

-	679	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (be beryllium cesium cs barium ba sulfur s mn manganese ag silver cd cadmium pt platinum si silicon zn zinc au gold co cobalt v vanadium ni nickel molybdenum mo hg mercury sr strontium germanium ge cu copper potassium k sn tin w tungsten pb lead o oxygen iron fe) near12 (doping doped impurity impurities) and silicon	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 08:30
-	586	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (be beryllium cesium cs barium ba sulfur s mn manganese ag silver cd cadmium pt platinum si silicon zn zinc au gold co cobalt v vanadium ni nickel molybdenum mo hg mercury sr strontium germanium ge cu copper potassium k sn tin w tungsten pb lead o oxygen iron fe) near12 (doping doped impurity impurities) and silicon and 257/$9.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 08:33
-	581	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (be beryllium cesium cs barium ba sulfur s mn manganese ag silver cd cadmium pt platinum si silicon zn zinc au gold co cobalt vanadium ni nickel molybdenum mo hg mercury sr strontium germanium ge cu copper potassium sn tin tungsten pb lead oxygen iron fe) near12 (doping doped impurity impurities) and silicon and 257/$9.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 08:34
-	568	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (be beryllium cesium cs barium ba sulfur mn manganese ag silver cd cadmium pt platinum si silicon zn zinc au gold co cobalt vanadium ni nickel molybdenum mo hg mercury sr strontium germanium ge cu copper potassium sn tin tungsten pb oxygen iron fe) near12 (doping doped impurity impurities) and silicon and 257/$9.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 08:36
-	110	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (be beryllium cesium cs barium ba sulfur mn manganese ag silver cd cadmium pt platinum si silicon zn zinc au gold co cobalt vanadium ni nickel molybdenum mo hg mercury sr strontium germanium ge cu copper potassium sn tin tungsten pb oxygen iron fe) near12 (doping doped impurity impurities) and silicon and 257/$9.ccls. and emitter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 09:23
-	8	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (be beryllium cesium cs barium ba sulfur mn manganese ag silver cd cadmium pt platinum si silicon zn zinc au gold co cobalt vanadium ni nickel molybdenum mo hg mercury sr strontium germanium ge cu copper potassium sn tin tungsten pb oxygen iron fe) near12 (doping doped impurity impurities) and silicon and 257/$9.ccls. and emitter and power.ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 08:41

–	5	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (be beryllium cesium cs barium ba sulfur mn manganese ag silver cd cadmium pt platinum si zn zinc au gold co cobalt vanadium ni nickel molybdenum mo hg mercury sr strontium germanium ge cu copper potassium sn tin tungsten pb oxygen iron fe) near12 (doping doped impurity impurities) and silicon and 257/$9.ccls. and emitter and power.ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 09:07
–	5	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (be beryllium cesium cs barium ba sulfur mn manganese ag silver cd cadmium pt platinum si zn zinc au gold co cobalt vanadium ni nickel molybdenum mo hg mercury se selenium sr strontium germanium ge cu copper potassium sn tin tungsten pb oxygen iron fe) near12 (doping doped impurity impurities) and silicon and 257/$9.ccls. and emitter and power.ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 09:10
–	0	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (ni nickel se selenium cu copper tellurium te oxygen iron fe) near12 (doping doped impurity impurities) and germanium and 257/$9.ccls. and emitter and power.ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 09:13
–	1	((stop stopping) adj (layer zone region) channel adj stop) near12 (doped doping impurity impurities) and (ni nickel se selenium cu copper tellurium te oxygen iron fe cr chromium) near12 (doping doped impurity impurities) and germanium and 257/$9.ccls. and emitter and power.ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 09:17
–	2	de-3917769$-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 20:07
–	110	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (be beryllium cesium cs barium ba sulfur mn manganese ag silver cd cadmium pt platinum si silicon zn zinc au gold co cobalt vanadium ni nickel molybdenum mo hg mercury sr strontium germanium ge cu copper potassium sn tin tungsten te tellurium pb oxygen iron fe) near12 (doping doped impurity impurities) and silicon and 257/$9.ccls. and emitter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 15:44
–	68	(stop stopping) adj (layer zone) and thyristor.ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/10 15:57
–	68	(stop stopping) adj (layer zone) and thyristor.ti,ab,clm. and (stop stopping)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 18:02
–	5469	GTO	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 18:04

-	4	761240.ap.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 20:26
-	0	de-19832310$-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 20:27
-	0	de-019832310$-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 20:27
-	0	("761240.ap.").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 20:46
-	4	761240.ap.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 20:46

| - | 134 | (US-5796124-$ or US-5844258-$ or US-5319222-$ or US-5319221-$ or US-5668385-$ or US-5719413-$ or US-5705835-$ or US-5710445-$ or US-6043112-$ or US-5682044-$ or US-6441408-$ or US-6660569-$ or US-6703294-$ or US-6696705-$ or US-5793066-$ or US-5202750-$ or US-5245202-$ or US-5293054-$ or US-5306929-$ or US-5306930-$ or US-5981981-$ or US-RE34158-$ or US-5304821-$ or US-4032958-$ or US-4062032-$ or US-4053921-$).did. or (US-4717940-$ or US-4760431-$ or US-RE32784-$ or US-4851889-$ or US-4914496-$ or US-4963972-$ or US-5068704-$ or US-5065211-$ or US-5124772-$ or US-5091766-$ or US-5210432-$ or US-5574297-$ or US-6107649-$ or US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$).did. or (US-5336907-$ or US-5461242-$ or US-5444272-$ or US-5457329-$ or US-5444271-$ or US-5429953-$ or US-5412228-$ or US-5381026-$ or US-5401985-$ or US-5378903-$ or US-5381025-$ or US-3470036-$ or US-3337782-$ or US-5365477-$ or US-5371385-$ or US-5359220-$ or US-5464994-$ or US-5543639-$ or US-5528058-$ or US-5539217-$ or US-5407491-$ or US-5525816-$ or US-5504351-$ or US-5498884-$ or US-5679966-$ or US-5684306-$ or US-5486709-$).did. or (US-5491351-$ or US-5477064-$ or US-5569941-$ or US-5471075-$ or US-5610415-$ or US-5659185-$ or US-5644150-$ or US-5637888-$ or US-4219829-$ or US-5661314-$ or US-5587594-$).did. or (US-20030122151-$ or US-20030197247-$ or US-20030006497-$ or US-20030094857-$ or US-20040084724-$ or US-20040137665-$ or US-20040080015-$ or US-20010005036-$ or US-20020024056-$ or US-20010005024-$).did. or (DE-3932490-$ or DE-3837748-$ or DE-3837747-$ or US-3953243-$ or EP-760528-$ or EP-621640-$ or DE-10214176-$ or DE-3917769-$ or US-5528058-$).did. or (JP-06151825-$ or JP-06061479-$ or JP-04357875-$ or JP-04317375-$ or JP-04240775-$ or JP-03116874-$ or JP-03070176-$ or JP-02296370-$ or JP-01270352-$).did. or (EP-1017093-$ or DE-3932490-$ or EP-144876-$ or EP-1097480-$ or DE-19531369-$ or EP-621640-$ or DE-10243758-$ or DE-10214176-$ or DE-10048165-$ or DE-19731495-$ or EP-347778-$ or WO-200203469-$ or EP-1017093-$ or DE-2734726-$ or DE-3917769-$ or US-5710445-$ or US-4642669-$ or US-5079175-$ or DE-19909105-$).did. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/10 20:53 |
| - | 442 | ((257/107) or (257/155) or (257/156)).CCLS. | USPAT; US-PGPUB | 2004/08/10 20:53 |

-	616	((257/107) or (257/109) or (257/110) or (257/155) or (257/156)).CCLS.	USPAT; US-PGPUB	2004/08/11 09:52
-	0	(((257/107) or (257/109) or (257/110) or (257/155) or (257/156)).CCLS.) and ioni$ation adj energ$3 near15 (stop stopping) adj (zone region layer)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 20:56
-	1	(((257/107) or (257/109) or (257/110) or (257/155) or (257/156)).CCLS.) and (sulfur s selenium se oxygen tellurium te zn zinc mn manganese ioni$ation adj energ$3) near15 (stop stopping) adj (zone region layer)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 20:58
-	0	("DOPANTNEAR4SULFURNEAR12SILICON").PN.	USPAT; US-PGPUB	2004/08/10 21:14
-	95	sulfur near12 (impurities impurity ion adj implantation) and silicon adj substrate	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 21:15
-	60	sulfur near4 (impurities impurity ion adj implantation) and silicon adj substrate	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/10 21:15